

Please add the following new claims:

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C4  
BA  
21. In a computer having a main memory, a method of enhancing scalability of server applications, comprising:  
executing an application component under control of an operating service, the application component having a state and function code for performing work responsive to method invocations from a client;  
maintaining the state in the main memory between the method invocations of the function code by the client in the absence of an indication from the application component that the work is complete; and  
destroying the state by the operating service in response to an indication from the application component such that the destroyed state is not persistent.

sub  
E1  
22. In a computer having a main memory, a method of enhancing scalability of server applications, comprising:  
executing an application component under control of an operating service, the application component having a component data state and function code for performing work on a data resource responsive to method invocations from a client, the component's work on the data resource having a work data state, the component data state initially having an initial post-creation state upon the component's creation;  
providing an interface for the operating service to receive an indication from the application component that the work is complete;  
maintaining the component data state in the main memory between the method invocations of the function code by the client in the absence of the indication from the application component that the work is complete; and  
in response to the indication and without client action, destroying the component data state by the operating system upon a next return of the application component from a method invocation of the client, while persistently maintaining the work data state.

23. The method of claim 22 wherein the step of destroying the component data state comprises resetting the component data state to the initial post-creation state.

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C5  
24. A computer readable program code-carrying media having software program code encoded thereon, the software program code for executing on a server computer and implementing a method of enhancing scalability of server applications, the method comprising: